Declaration of Conformity We, Manufacturer

ZIPPY TECHNOLOGY CORP. 10F,No.50,MIN CHYUAN RD. SHIN-TIEN, TAIPEI HSIEN TAIWAN, R.O.C.

declare that the product (description of the apparatus, system, installation to which it refers)

SWITCHING POWER SUPPLY P1G-6300P

is in conformity with (reference to the specification under which conformity is declared) in accordance with 89/336 EEC-EMC Directive

Information -Radio dist	98+A1/2000+A2/2003 n technology equipment urbance characteristics	EN 61000-3-2 :200	0 Harmonic current requirements
EN 55024 : 19 Informatio -Immunity	l methods of measurement 998+A1/2001+A2/2003 on technology equipment characteristics d methods of measurement	EN 61000-3-3 /199 A1/2001	5+ Voltage fluctuations and flicker requirements
	Electrostatic discharge requirements "ESD"	EN 61000-4-6	Conducted Immunity
	Radiated, radio frequency electromagnetic field	EN 61000-4-11	Voltage Dip, interruptions Immunity requirements
	Electrical fast transient requirements "EFT"	CE marking	

EN 61000-4-5 Surge Immunity requirements

Low Voltage Directive (73/23/ECC,93/68/EEC) : EN60950: 2000 TUV certificate No: R 2056018

Manufacturer				
Date :	DEC,20,2005			
Signature:	Jeff	Huan J		
Name:	ZIPPY			

Test-Lab				
Date :	DEC,20,2005			
Signature:	Faren			
Name:	ZIPPY			

REPORT NO: 05122001

APPLICATION FOR CERTIFICATION ON Behalf Of ZIPPY TECHNOLOGY CORP. SWITCHING POWER SUPPLY Model#: P1G-6300P

FCCID:N/A

PREPARED FOR: ZIPPY TECHNOLOGY CORP. 10F,No.50,MIN CHYUAN RD. SHIN-TIEN, TAIPEI HSIEN TAIWAN, R.O.C

Report By: ZIPPY TECHNOLOGY CORP. 10F,No.50,MIN CHYUAN RD. SHIN-TIEN, TAIPEI HSIEN TAIWAN, R.O.C TEL:(02)2918-8512 FAX:(02)2913-4969

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1. Test Report Certification

Applicant : ZIPPY TECHNOLOGY CORP.

Manufacturer : ZIPPY TECHNOLOGY CORP.

EUT Description : Switching power supply

(A) FCC ID	N/A	
(B) Model No.	P1G-6300P	
(C) Serial No.	N/A	
(D) Power Supply	115Vac/60Hz,	230Vac/50Hz

MEASUREMENT PROCEDURE USED :

EN 55024 RULES EN 55022 RULES

THE DEVICE DESCRIBED ABOVE WAS TESTED BY ZIPPY SHIN JIUH CORP. TO DETERMINE THE SEVERITY LEVELS THE DEVICE CAN ENDURE AND ITS PERFORMANCE CRITERION. THE MEASUREMENT RESULTS ARE CONTAINED IN THIS TEST REPORT AND ZIPPY SHIN JIUH CORP. IS ASSUMED FULL RESPONSIBILITY FOR THE ACCURACY AND COMPLETENESS OF THESE MEASUREMENT. ALSO, THIS REPORT SHOWS THAT THE EUT TO BE TECHNICALLY COMPLIANT WITH THE EN STANDARD.

Test Dated : DEC,20,2005

Test Engineer :	Faren
-----------------	-------

Approve & Authorized Signer : Jeff Huan?

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2. General Information

2.1 Production Description

Description	: Switching power supply
Model Number	: P1G-6300P
Applicant	: ZIPPY TECHNOLOGY CORP.
Address	: 10F,No.50,MIN CHYUAN RD. SHIN-TIEN, TAIPEI HSIEN TAIWAN, R.O.C
FCC ID	: N/A
Data Cable	: N/A
PowerCord	: Non-Shielded, detachable, 1.5m

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2.2 Tested System Details

The FCC IDs for all equipment, plus descriptions of all cables used in the tested system (including inserted cards, which have grants) are:

2.2.1 Resistor Load

Model Number	:	ELECTRONIC LOAD
Serial Number	:	N/A
FCC ID	:	N/A
Manufacturer	:	ZIPPY
Power	:	300W

2.3 Test Methodology

EMI Test:

Both conducted and radiated testing were performed according to the procedures in EN 55022 Radiated testing was performed at an antenna to EUT distance of 10 meters. EMS Test:

Performed according to procedures in EN 61000 series regulations.

2.4 Test Facility

ZIPPY TECHNOLOGY CORP. 10F,No.50,MIN CHYUAN RD. SHIN-TIEN, TAIPEI HSIEN TAIWAN, R.O.C

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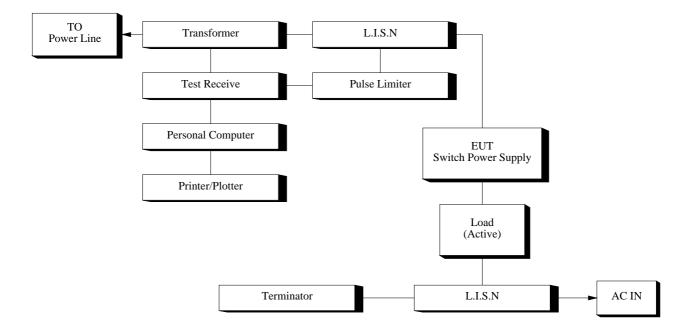
3. Electronic-Magnetic Interference Test

- 3.1 Conducted Power Line Test
 - 3.1.1 TEST Equipment's

The following test equipment's are used during the conducted power line tests:

Item	Instrument	Manufacture	Type No:	Last Calibration
1	TEST RECEIVER	ROHDE & SCHWARZ	ESHS30	MAY.2005
2	LISN	ROHDE & SCHWARZ	ENV4200	MAY.2005
3	COMPUTER	Acer	Power8000	N/A
4	PRINTER	EPSON	5700L	N/A
7	SHIELDED ROOM 4.0M*3.0M*3M			N/A

3.1.2 Block Diagram of Test Setup



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Maximum RF Line Voltage dB(uV)					
Frequency	Class B				
MHz	QUASI-PEAK	AVERAGE			
0.15 - 0.50	66-56	56-46			
0.50 - 5.0	56	46			
5.0 - 30	60	50			

3.1.3 Conducted Powerline Emission Limit

Remarks: In the Above Table, the tighter limit applies at the band edges.

3.1.4 EUT Configuration on Measurement

The equipment's which is listed 3.2 are installed on Conducted Power Line Test to meet the Commission requirement and operating in a manner which tends to maximize its emission characteristics in a normal application.

3.1.5 EUT Exercise Software

The EUT exercise program used during conducted testing was designed to exercise the EUT in a manner similar to a typical use. The exercise sequence is listed as below: 3.1.5.1 Setup the EUT and simulators as shown on 3.2.

3.1.5.2 Turn on the power of all equipment's.

3.1.6 Conducted Emission Data

The measurement range of conducted emission which is from 0.15 MHz to 30 MHz was investigated. The initial step in collecting conducted data is a spectrum analyzer peak scan of the measurement range for all the test modes. Then the worst modes were reported the following data pages.

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CONDUCTED EMISSION DATA

DATE OF TEST	Г:	DEC,19,2005	TEMPERATURE :	26
EUT	:	SWITCH POWER SUPPLY	HUMIDITY :	65%
TEST MODE	:	P1G-6300P	DISPLAY PATTERN:	N/A

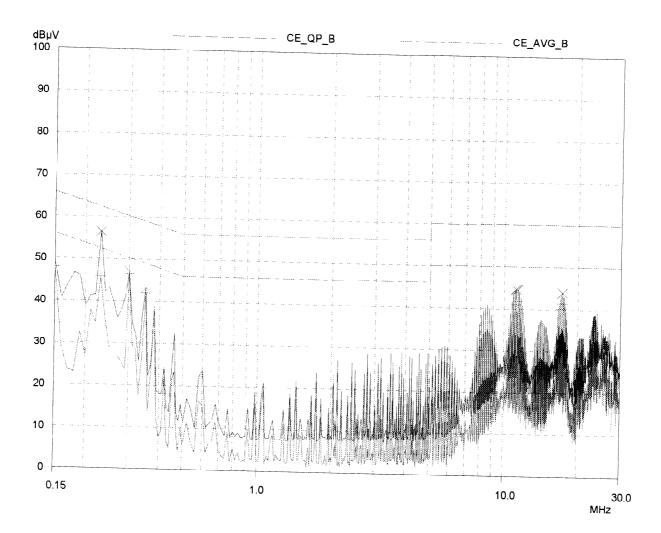
Frequency	Reading Le	vel dBuV	Limites
MHz	Line 1	Line 2	DBuV
0.22	58.29	53.39	62.82
0.32	50.93	52.09	59.71

Remark:1.All readings are Quasi-Peak values.

conduction test

EUT: Manuf: Op Cond: Operator:	P1G-6300P SPS ZIPPY TECH COLTD FULL LOAD
⊤est Spec: Comment:	EN55022 Class B Load Condition (12 20 0.5 1 10 1.5) L220V

Scan Settings	(3 Ranges) — Frequencies —				Reseiver 0	- 445		
Start 150kHz 500kHz 5MHz	Stop 500kHz 5MHz 30MHz	Step 10kHz 20kHz 50kHz	IF BW 10kHz 10kHz 10kHz	Detector QP+AV QP+AV QP+AV	 Receiver S M-Time 1msec 1msec 1msec 	ettings Atten Auto Auto Auto	Preamp OFF OFF OFF	OpRge 60dB 60dB 60dB
Prescan Measurer	nent: Detector: Meas Tir Peaks: Acc Marg	ne: s	K QP / + AV see scan settings 3 25 dB					



03 Apr 2001 17:55

conduction test

EUT: Manuf: Op Cond: Operator:	P1G-6300P SPS ZIPPY TECH COLTD FULL LOAD
Test Spec: Comment:	EN55022 Class B Load Condition (12 20 0.5 1 10 1.5) L220V

Scan Settings (3 Ranges) Frequencies **Receiver Settings** Start Stop Step IF BW Detector M-Time Atten Preamp OpRge 150kHz 500kHz 10kHz 10kHz QP+AV 1msec Auto OFF 60dB 500kHz 5MHz 20kHz 10kHz QP+AV 1msec Auto OFF 60dB 5MHz 30MHz 50kHz 10kHz QP+AV 1msec Auto OFF 60dB Prescan Measurement: Detectors: X QP / + AV Meas Time: see scan settings Peaks: 8 Acc Margin: 25 dB

Peak Search Results

Frequency MHz	QP Level dBµV	QP Limit	QP Delta	Phase	PE
	dBhA	dBµV	dB	-	-
0.23	56.46	62.45	5.99	N	
0.3	47.04	60.24	13.20	N	gnd
0.35	43.17	58.96	15.79	N	gnd
11.05	44.57	60.00	15.43		gnd
11.2	44.68	60.00	15.32	N	gnd
11.35	44.65	60.00	15.35	N	gnd
11.5	43.88	60.00	16.12	N	gnd
17.25	43.96	60.00	16.04	N	gnd
		00.00	10.04	Ν	gnd
Frequency	AV Level	AV Limit	AV Delta	Phase	PE
MHz	dBµV	dBµV	dB	-	-
					-
0.15	47.86	56.00	8.14	N	and
0.23	45.72	52.45	6.73	N	gnd and
0.3	46.51	50.24	3.73	N	gnd and
0.35	41.99	48.96	6.97	N	gnd
11.2	41.05	50.00	8.95	N	gnd
11.35	41.84	50.00	8.16	N	gnd
17.1	40.25	50.00	9.75	N	gnd
17.25	41.45	50.00	8.55		gnd
			0.00	N	gnd

* limit exceeded

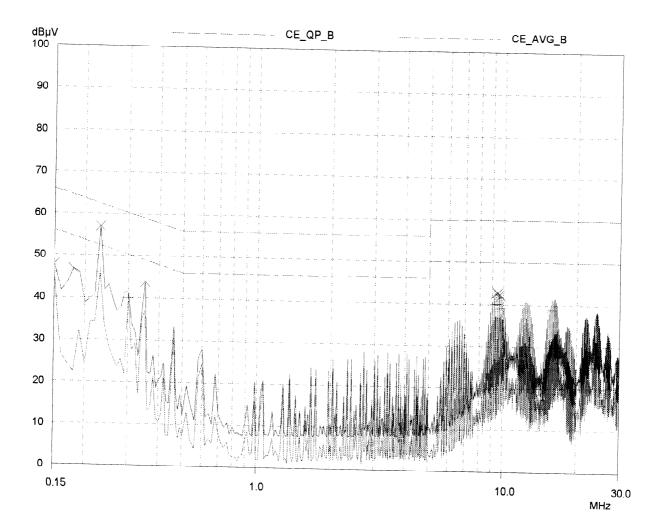
Indicated Phase/PE shows Configuration of max. Emission

conduction test

EUT: Manuf: Op Cond: Operator:	P1G-6300P SPS ZIPPY TECH COLTD FULL LOAD
Test Spec: Comment:	EN55022 Class B Load Condition (12 20 0.5 1 10 1.5) N220V

Scan Settings (3 Ranges)

Start	Freque	ncies					- Receiver Se	ettings		
Start 150kHz 500kHz 5MHz	Stop 500kHz 5MHz 30MHz		Step 10kHz 20kHz 50kHz	z	IF BW 10kHz 10kHz 10kHz	Detector QP+AV QP+AV QP+AV	M-Time 1msec 1msec 1msec	Atten Auto Auto Auto	Preamp OFF OFF OFF	OpRge 60dB 60dB 60dB
Prescan Measure	ement:	Detectors: Meas Time: Peaks: Acc Margin:			/ + AV can settings					



03 Apr 2001 17:40

conduction test

EUT: Manuf: Op Cond: Operator:	P1G-6300P SPS ZIPPY TECH COLTD FULL LOAD
Test Spec: Comment:	EN55022 Class B Load Condition (12 20 0.5 1 10 1.5) N220V

Acc Margin:

Scan Settings (3 Ranges) Frequencies Receiver Settings -Start Stop Step IF BW Detector M-Time Atten Preamp OpRge 150kHz 500kHz 10kHz 10kHz QP+AV 1msec Auto OFF 60dB 500kHz 5MHz 20kHz 10kHz QP+AV 1msec Auto OFF 60dB 5MHz 30MHz 50kHz 10kHz QP+AV 1msec Auto OFF 60dB Prescan Measurement: Detectors: X QP / + AV Meas Time: see scan settings Peaks: 8

25 dB

Peak Search Results

_

Frequency	QP Level	QP Limit	QP Delta	Phase	PE
MHz	dBµV	dBµV	dB	1 11036	ΓĽ
		·		-	-
0.15	47.94	66.00	18.06	N	and
0.18	46.77	64.49	17.72	N	gnd
0.23	57.04	62.45	5.41	N	gnd
0.35	43.79	58.96	15.17	N	gnd
9.3	42.59	60.00	17.41	N	gnd
9.45	42.75	60.00	17.25	N	gnd
9.6	42.29	60.00	17.71	N	gnd
9.75	42.03	60.00	17.97	N	gnd
					gnd
Frequency	AV Level	AV Limit	AV Delta	Phase	PE
MHz	dBµV	dBµV	dB	-	
					-
0.15	45.95	56.00	10.05	N	and
0.23	46.02	52.45	6.43	N	gnd
0.3	39.93	50.24	10.31	N	gnd
9.3	40.18	50.00	9.82	N	gnd
9.45	40.05	50.00	9.95	N	gnd
9.75	39.17	50.00	10.83	N	gnd
15.65	38.51	50.00	11.49	N	gnd
15.8	38.94	50.00	11.06	N	gnd
			11.00	IN	gnd

* limit exceeded

Indicated Phase/PE shows Configuration of max. Emission

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3.2 Radiation Emission Test

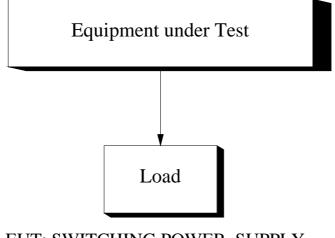
3.2.1 Test Equipment

The following test equipment's are used during the radiated emission test:

Instrument	Manufacture	Type No:	Last Calibration
Spectrum Analyzer	<u>H.P</u>	<u>8594A</u>	May,2005
Test Receiver	IFR System	<u>A-7550</u>	Jun,2005
Preamplifier	<u>H.P</u>	<u>8447D</u>	May,2005
Biconical Ant.	cal Ant. <u>Emco</u>		Jun,2005
Log-Periodic Ant.	Emco	<u>3146</u>	Jun,2005
Dipole Antenna	Emco	<u>3121C</u>	Nov,2005

3.2.2 Test Setup

3.2.2.1 Block Diagram of Connection between EUT and simulators



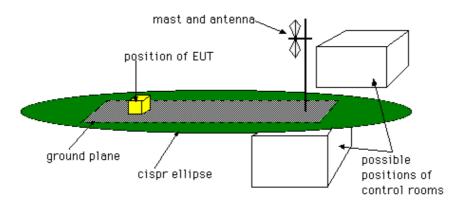
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3.2.2.2 Open Field Test Site - description

The open field test site (OFTS) is designed to provide an environment in which repeatable tests of radiated emissions can be carried out.

It consists of a flat elliptical area as shown in the diagram below.

The equipment under test and the antenna are placed at the foci of the ellipse.



The antenna height should be remotely adjustable from 1m to 4m. Measuring instrumentation should be outside the ellipse at the position shown or in a room under the ground plane. The whole or part of the site may be enclosed in an RF transparent building. For precompliance testing a 3m test site with a fixed height antenna (at 1.5-2m height) and no metallic ground plane may be used. This may be a clear area on a car park or a grass area but should be away from large metallic structures.

3.2.3 Radiated Emission Limit

Frequency	Distance	Field Strength				
MHz	Meter	DB(uV/M)				
30-230	10	30				
230-1000	10	37				

Class B Limits

Remarks:

- 1. The tighter limit shall apply at the edge between two frequency bands.
- 2. Distance refers to the distance in meters between the measuring instrument antenna and the closed point of any part of the device or system.

3.2.4 EUT Configuration

The equipment's which is listed 4.2.1 are installed on Radiated Emission Test to meet the Commission requirement and operating in a manner which tends to maximize its emission characteristics in a normal application.

3.2.5 Operation Condition of EUT

Same as Conducted Power Line Test which is listed in 3.5.

3.2.6 Radiated Emission Data

The measurement range of radiated emission which is from 30 MHz to 1000 MHz was investigated. The initial step in collecting conducted data is a spectrum analyzer peak scan of the measurement range for all the test modes. Then the worst modes were reported the following data pages.

RADIATED EMISSION DATA

DATE OF TEST : _____ TEMPERATURE : _____

EUT

: HUMIDITY :

TEST MODE : _____ DISPLAY PATTERN: _____

Frequency	Cable	Antenna	Reading Level	Emission Level	Limits
	Loss	Factor	Horizontal	Horizontal	
(MHz)	(dB)	(dB)	dBuV/m	dBuV/m	dBuV/m

Remark: 1. All readings are Quasi-Peak values.

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RADIATED EMISSION DATA

DATE OF TEST : _____ TEMPERATURE : _____

: _____ HUMIDITY : _____

EUT

 TEST MODE
 :

Frequency	Cable	Antenna	Reading Level	Emission Level	Limits
	Loss	Factor	Vertical	Vertical	
(MHz)	(dB)	(dB)	dBuV/m	dBuV/m	dBuV/m

Remark:1.All readings are Quasi-Peak values.

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4.ESD Measurement

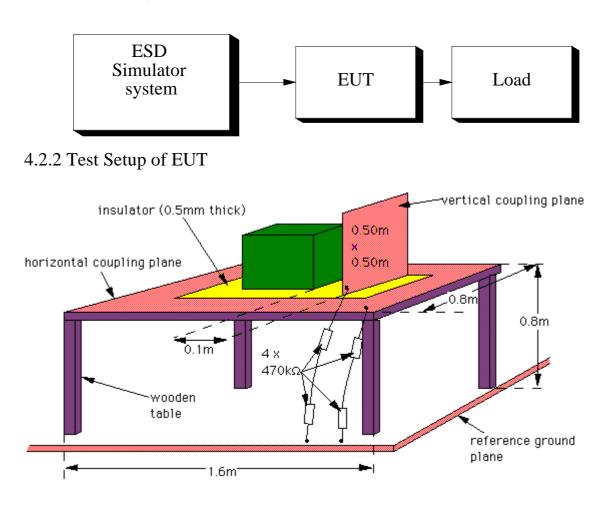
4.1 Test Equipment

The following test equipment's are used during the ESD test:

Instrument	Manufacture	Type No:	Last Calibration
ESD Simulator system	Keytek	MZ-15/EC	JUN,2005
Electronic Load	D-RAM	Load-2000	N/A

4.2 Test Setup

4.2.1 Block Diagram of Connections between EUT and simulators



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4.3 Severity Levels

	TEST VOLTAGE	TEST VOLTAGE
LEVEL	CONTACT	AIR
	DISCHARGE	DISCHARGE
1	2KV	2KV
2	4KV	4KV
3	6KV	6KV
4	8KV	8KV
Х	SPECIAL	SPECIAL

4.4 EUT Operating Condition

1. Setup the EUT and Test Equipment as shown on $4.2\,$

2. power on.

4.5 Test Procedure

Air Discharge:

This test was done above a non-conductive surfaces. The round discharge electrode about 30cm away will approach as fast as possible to touch test points of the EUT. Discharge happens before the contact. This procedure is repeated ten times on one selected location.

4.6 Test Method

According to IEC 61000-4-2

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4.7 Test Result

DATE OF TEST	::	DEC,20,2005	TEMPERATURE	:	26
EUT	:	SWITCH POWER SUPPLY	HUMIDITY	:	65%
TEST MODE	:	P1G-6300P	DISPLAY PATTER	N:	N/A

Item	Amount of discharge	Voltage	Results
Air discharge	500	+2KV	Pass
		-2KV	Pass
Air discharge	500	+4KV	Pass
		-4KV	Pass
Air discharge	500	+6KV	Pass
		-6KV	Pass
Air discharge	500	+8KV	Pass
		-8KV	Pass
Air discharge			
Air discharge			

Input Voltage:AC 230V/50Hz

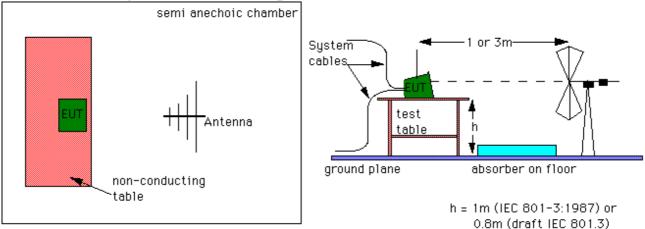
5.Radiated Susceptibility Measurement

5.1 Test Equipment

The following test equipment's are used during the RS test:

Instrument	Manufacture	Type No:	Last Calibration
Signal generator	H.P	8657A	Dec.,2004
Power amplifier	A&R	100A100	Dec.,2004
Field strength meter	A&R	FM2000	Oct.,2005
Field strength sensor	A&R	EP2000	Oct.,2005
Power antenna	A&R	AT1080	Oct.,2005

5.2 Block Diagram of Test Setup



Antennas-layout

For the upper frequency range of 200 to 1000 MHz, antennas are the normal method of producing the required field strength. This is also carried out in an anechoic chamber or a screened room. If a screened room is used it must be damped . The anechoic chamber should be used for compliance testing, the screened room may be used for precompliance testing. The fields in the screened room will not be as uniform as those obtainable in an anechoic chamber and will also not be as repeatable. The EUT is placed on a non-conductive table, 0.8 m above the reference ground plane, which in many cases will be the floor of a screened room. According to the standards, the EUT should be oriented so that its most sensitive side is facing the antenna. In practice it can be difficult to decide beforehand which is the most sensitive side, and in most cases, a series of tests will be required with the EUT in several orientations.

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5.3Severity Levels

LEVEL	FIELD STRENGTH V/M
1	1
2	3
3	10
Х	SPECIAL

5.4 EUT Operating Condition

Same as section 4.4.

5.5 Test Procedure

The EUT and load are placed on a table which is 0.8 meter above ground. The field sensor is also placed on the same table to monitor field strength from transmitting antenna.

EUT is set 1 meter away from the transmitting antenna which is mounted on an antenna each time.

The antenna is fixed 1 meter above ground. Both horizontal and vertical polarization of the antenna are set on measurement.

In order to judge the EUT performance, a CCD camera is used to monitor EUT screen.

All the scanning conditions are as follows:

Condition of Test	Remarks
1. Field Strength	3 V/M Level 2
2. Radiated Signal	80% Amplitude Modulated with a 1KHz Tone
3. Scanning Frequency	80 MHz-1 GHz
4. Sweep Time of Radiated	0.0015 Decade/s

5.6 Test Method

According to IEC 61000-4-3

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5.7 Test Result

DATE OF TES	T :	DEC,20,2005	TEMPERATURE	:	26
EUT	:	SWITCH POWER SUPPLY	HUMIDITY	:	65%
TEST MODE	:	P1G-6300P	DISPLAY PATTER	١N	: N/A

Frequency Range	Position	Polarity	Field Strength	Results
(MHz)	(Angle)	(HorV)	(V/M)	
80-1000	0 ° (Front)	Н	3	Pass
80-1000	90°(Right)	Н	3	Pass
80-1000	180 ° (Back)	Н	3	Pass
80-1000	270°(Left)	Н	3	Pass
80-1000	0 ° (Front)	V	3	Pass
80-1000	90°(Right)	V	3	Pass
80-1000	180 ° (Back)	V	3	Pass
80-1000	270 ° (Left)	V	3	Pass

Test Result : Criteria A

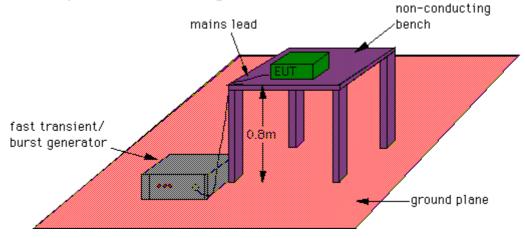
6. Electrical Fast Transient / Burst Measurement

6.1 Test Equipment

The following test equipment's are used during the EFT tests:

Instrument	Manufacturer	Type No.	Last Calibration
Fast Transient/Burst Generator	Keytek	EMCpro	APR,2005

6.2 Block Diagram of Test Setup



6.3 Severity Levels

Open Circuit Output Test Voltage +/- 10%		
Level	el On power supply lines	
1	0.5kv	
2	1KV	
3	2KV	
4	4KV	
Х	SPECIAL	

6.4 EUT Operation Condition

Same as section 4.4.

6.5 Test Procedure

The EUT and its load are placed on a table which is 0.8 meter above a metal ground plane measured 1m*1m min. And 0.65 mm thick min. And projected beyond the EUT by at least 0.1m on all sides.

The EUT is away from the walls of the test AC power line test is as follows:

For Ac power line test: The EUT is connected to the power mains through a coupling device that directly couples the EFT interference signal.

Each of the Line and Neutral conductor is impressed with burst noise for 1 min.

6.6 Test Method

According to IEC 61000-4-4.

6.7 Test Result

DAT	E OF TEST : DEC,20	,2005	TEMPER	ATURE : 26	
EUT	: SWITC	H POWER SUPP	LY HUMIDI	TY : 65%	
TES	Г MODE : P1G-63	00P	DISPLAY	Y PATTERN: N/A	
	Inject Line	Voltage KV	Inject time	Inject Method	Result
			(sec)		
	L1-PE	+1	60	DIRECT	PASS
ľ	L1-PE	-1	60	DIRECT	PASS
	L2-PE	+1	60	DIRECT	PASS
	L2-PE	-1	60	DIRECT	PASS
	L1-L2	+1	60	DIRECT	PASS
	L1-L2	-1	60	DIRECT	PASS
	L1,L2-PE	+1	60	DIRECT	PASS
	L1,L2-PE	-1	60	DIRECT	PASS

Input Voltage: AC 230 V/50Hz

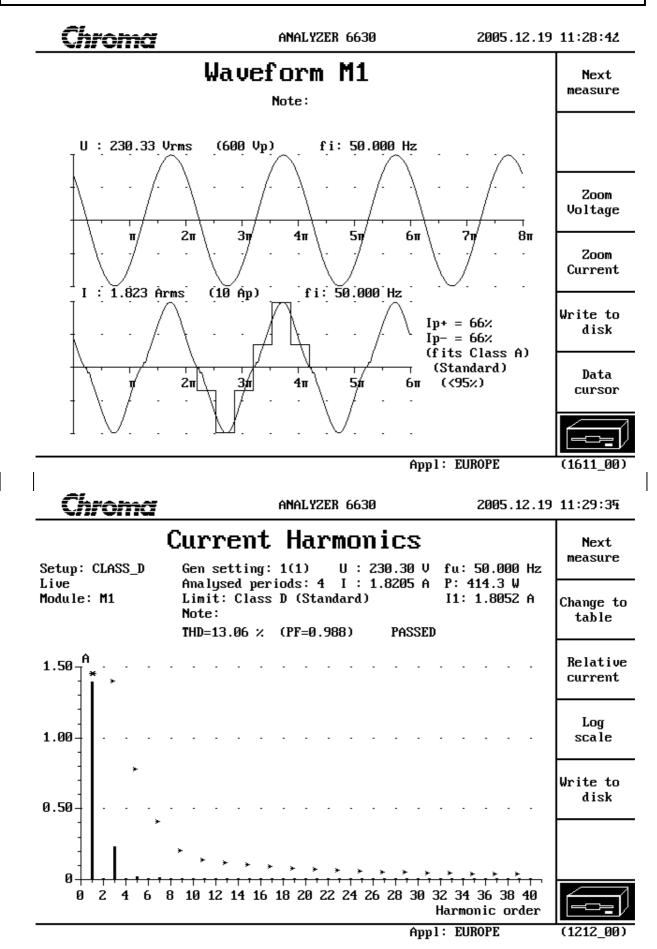
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7. HARMONIC CURRENT TEST

DATE OF TEST : DEC,19,200	5 TEMPER	ATURE : 26
EUT : SWITCH PC	OWER SUPPLY HUMIDI	ГY : 65%
TEST MODE : <u>P1G-6300P</u>	DISPLAY	Y PATTERN: N/A

Item	Readin	g LeveA	Item	Reading	LeveA
	А	Limites		А	Limites
1	1.8052				
3	0.2330	1.4086			
5	0.0205	0.7872			
7	0.0178	0.4143			
9	0.0126	0.2072			
11	0.0086	0.1450			
13	0.0049	0.1227			
15	0.0029	0.1063			
17	0.0025	0.0938			
19	0.0034	0.0840			
21	0.0045	0.0760			
23	0.0052	0.0694			
25	0.0054	0.0638			
27	0.0057	0.0591			
29	0.0055	0.0550			
31	0.0052	0.0515			
33	0.0047	0.0483			
35	0.0042	0.0456			
37	0.0036	0.0431			
39	0.0031	0.0409			

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Chi	roma	ſ		ANAL	YZER 663	0		2005.12.19	11:30:55
Currei				nt Harmonics				Next measure	
Setup: CLASS_D Live Module: M1		Analı Limi Note	Gen setting: 1(1) U : 230.30 V fu: 50.000 Analysed periods: 4 I : 1.8205 A P: 414.3 W Limit: Class D (Standard) I1: 1.8052 Note: THD=13.06 % (PF=0.988) PASSED				414.3 W	Change to bar graph	
No	Ĥ	Lim A	No	A	Lim A	No	A	Lim A	Relative current
1	1.8052		15	0.0029	0.1063	29	0.0055	0.0550	
2	0.0006		16	0.0001		30	0.0001		
3	0.2330	1.4086	17	0.0025	0.0938	31	0.0052	0.0515	
4	0.0002		18	0.0000		32	0.0001		
5	0.0205	0.7872	19	0.0034	0.0840	33	0.0047	0.0483	<u> </u>
6	0.0000		20	0.0001		34	0.0001		Write to
7	0.0178	0.4143	21	0.0045	0.0760	35	0.0042	0.0456	disk
8	0.0000		22	0.0001		36	0.0002		
9	0.0126	0.2072	23	0.0052	0.0694	37	0.0036	0.0431	
10	0.0000	0 4450	24	0.0001	0.000	38	0.0001	0.0400	
11	0.0086	0.1450	25	0.0054	0.0638	39	0.0031	0.0409	
12 13	0.0001 0.0049	0.1227	26 27	0.0001 0.0057	0.0591	40	0.0001		
13	0.0049	0.1447	27	0.0057	1760.0				
Current		3 Ap	20	0.0000					
							Appl: E	JROPE	(1212_01)

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8. VOLTAGE FLUCTUATION AND FLICKER TEST DATA

DATE OF TES	T :	DEC,19,2005	TEMPERATURE	:	26
EUT	:	SWITCH POWER SUPPLY	HUMIDITY	:	65%

TEST MODE : P1G-6300P

DISPLAY PATTERN: N/A

	Reading	Limit	Result
Pst	0.000	1.0	Pass
P1t	0.000	0.65	Pass
Dc (%)	0.000	3.00	Pass
Dmax (%)	0.000	4.00	Pass
Dt (%)	0.000	0.20	Pass

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9. SURGE IMMUNITY TEST

DATE OF TEST	TEMPERATURE	:	26	
EUT	SWITCH POWER SUPPLY	HUMIDITY	:	65%

 TEST MODE
 : P1G-6300P
 DISPLAY PATTERN: N/A

Waveform	Voltage	Output:LC	Phs Ref	Phs Ang	Tests	Delay
12 Ohm	-2000V	MAINS:L1/PE	L1	0 deg.	5	60 sec
12 Ohm	-2000V	MAINS:L1/PE	L1	90 deg.	5	60 sec
12 Ohm	-2000V	MAINS:L1/PE	L1	270 deg.	5	60 sec
12 Ohm	2000V	MAINS:L1/PE	L1	0 deg.	5	60 sec
12 Ohm	2000V	MAINS:L1/PE	L1	90 deg.	5	60 sec
12 Ohm	2000V	MAINS:L1/PE	L1	270 deg.	5	60 sec
12 Ohm	-2000V	MAINS:L2/PE	L1	0 deg.	5	60 sec
12 Ohm	-2000V	MAINS:L2/PE	L1	90 deg.	5	60 sec
12 Ohm	-2000V	MAINS:L2/PE	L1	270 deg.	5	60 sec
12 Ohm	2000V	MAINS:L2/PE	L1	0 deg.	5	60 sec
12 Ohm	2000V	MAINS:L2/PE	L1	90 deg.	5	60 sec
12 Ohm	2000V	MAINS:L2/PE	L1	270 deg.	5	60 sec
2 Ohm	-1000V	MAINS:L1/L2	L1	0 deg.	5	60 sec
2 Ohm	-1000V	MAINS:L1/L2	L1	90 deg.	5	60 sec
2 Ohm	-1000V	MAINS:L1/L2	L1	270 deg.	5	60 sec
2 Ohm	1000V	MAINS:L1/L2	L1	0 deg.	5	60 sec
2 Ohm	1000V	MAINS:L1/L2	L1	90 deg.	5	60 sec
2 Ohm	1000V	MAINS:L1/L2	L1	270 deg.	5	60 sec

Test Result : Pass

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Pass

10. CONDUCTED IMMUNITY

DATE OF TEST : DEC,20,2005 TEMPERATURE : 26 : SWITCH POWER SUPPLY : 65% EUT HUMIDITY DISPLAY PATTERN: N/A TEST MODE : P1G-6300P Frequency Range Field Strength Polarity Results (MHz) (HorV) (V/M)

3

INJECTION TYPE:

0.15-80

DIRECT CDN Type M3

Η

TEST CONDITION:

Step: 1% Dwell Time: 3sec

Test result : Criteria A

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11. VOLTAGE DIP, INTERRUPTIONS IMMUNITY

DATE OF TEST: DEC,20,2005

TEMPERATURE : 26

: 65%

EUT

: SWITCH POWER SUPPLY HUMIDITY

: P1G-6300P

DISPLAY PATTERN: N/A

Test Level	Phs Ang	Dur. Value	Duration	Tests	Delay
0% Short	0 deg.	0.5	cycle	3	10 sec
0% Short	90 deg.	0.5	cycle	3	10 sec
0% Short	180 deg.	0.5	cycle	3	10 sec
0% Short	270 deg.	0.5	cycle	3	10 sec
0% Open	0 deg.	0.5	cycle	3	10 sec
0% Open	90 deg.	0.5	cycle	3	10 sec
0% Open	180 deg.	0.5	cycle	3	10 sec
0% Open	270 deg.	0.5	cycle	3	10 sec
70% Dip	0 deg.	25.00	cycle	3	10 sec
70% Dip	90 deg.	25.00	cycle	3	10 sec
70% Dip	180 deg.	25.00	cycle	3	10 sec
70% Dip	270 deg.	25.00	cycle	3	10 sec
0% Open	0 deg.	250.00	cycle	3	10 sec
0% Open	90 deg.	250.00	cycle	3	10 sec
0% Open	180 deg.	250.00	cycle	3	10 sec
0% Open	270 deg.	250.00	cycle	3	10 sec

Test Result : Pass

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12. Photographs

1.Front view of Power Supply

2.Back view of Power Supply

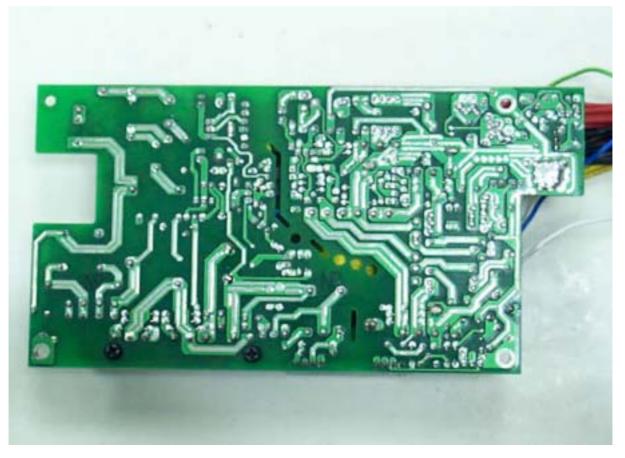




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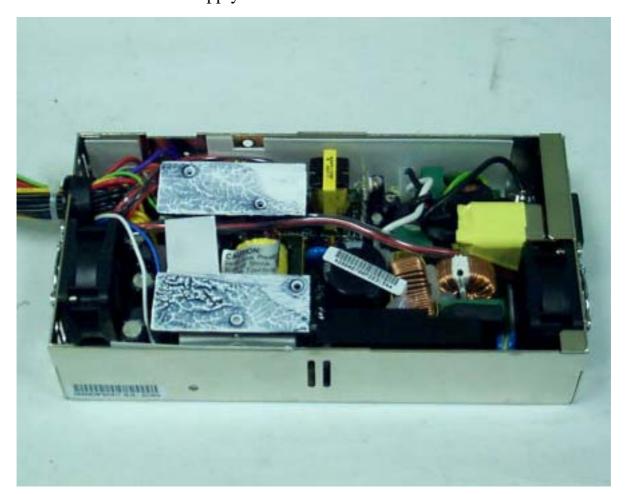
- 3.Component side of Mainboard
- 4.Solder side of Mainboard





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5.Inside view of Power Supply 6.Inside view of Power Supply





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7.Test view

8.Test view



13.EMI Reduction Method During Compliance Testing

1.No modification was made during testing.